

Q67867 Sequence.ST25.txt
SEQUENCE LISTING

43



<110> VAUGHAN, Paul R.
GALANIS, Maria
RAMSHAW, John A.M.
WERKMEISTER, Jerome A.

<120> METHOD FOR PRODUCING, IN YEAST, A HYDROXYLATED TRIPLE HELICAL PROTEIN, AND
YEAST HOST CELLS USEFUL IN SAID METHOD

<130> Q67867

<140> 10/023,831

<141> 2001-12-21

<150> US 09/297,269

<151> 1999-04-28

<150> PO3310

<151> 1996-10-29

<150> PO4306

<151> 1996-12-19

<150> PCT/AU97/00721

<151> 1997-10-29

<160> 52

<170> PatentIn version 3.1

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His Asp Glu Leu
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<213> Mammalian Endoplasmic Reticulum Retention Signal

Q67867 Sequence.ST25.txt

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45

<210> 17

<211> 6

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Q67867 Sequence.ST25.txt

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 1 5 10 15

Pro Leu Gly Ile Ala
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Gly Pro Pro Gly Pro Pro Gly Leu Ala

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5

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Gly Pro Pro Gly Pro Pro Gly Pro Ala
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Gly Pro Pro Gly Pro Pro Gly Ala Pro
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Q67867 Sequence.ST25.txt

Gly Leu Ala Gly Ala Pro Gly Leu Arg
1 5

<210> 27

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<212> PRT

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Gly Gly Lys Gly Asp Ala Gly Ala Pro Gly Glu Arg Gly Pro Pro Gly
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Glu Gly Gly Lys Gly Ala Ala Gly Pro Pro Gly Pro Pro
35 40 45

<210> 28

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<212> PRT

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<400> 28

Met Gly Ala Pro Gly Ala Pro
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<210> 29

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Gly Ala Pro Gly Ala Pro
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Q67867 Sequence.ST25.txt

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Gly Leu Glu Gly Pro Arg Gly
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Q67867 Sequence.ST25.txt

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<210> 38

<211> 9

<212> PRT

<213> Synthetic Construct

<400> 38

Gly Leu Ala Gly Ala Pro Gly Leu Arg
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Q67867 Sequence.ST25.txt

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<211> 1572

<212> DNA

<213> Collagen Type III Alpha I Chain

<400> 39

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ggagctaacg gtctcactgg agaacgtggg cccctggac cccagggtct tggtggtctg      180
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cgagatggat ctcttggtgg caagggtgat cgtggtgaaa atggctctcc tggtgcccct      300
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gccattgctg ggattggagg tgaaaaagct ggcgggtttt ccccggtatta tggacctgaa      840
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aagtgccaat cttttgaatg ttccacggaa acactgggtg acagattcta gtgctgagaa     1140
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Q67867 Sequence.ST25.txt

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1572

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<212> DNA

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tccagaaggt ggtaaggggtg ctgctgggtcc accaggtcca ccaggtgggc ccggtggtaa	180
gggtgacgct ggtgctccag gtgaaagagg tccaccaggt ttggctgggtg ctccaggttt	240
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aggtttggct ggtgctccag gtttgagagg tggtgctggg ccaccaggtc cagaaggtgg	420
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<212> PRT

<213> Synthetic Construct

<400> 41

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20 25 30	
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35 40 45	
Gly Pro Pro Gly Pro Pro Gly Gly Pro Gly Gly Lys Gly Asp Ala Gly	
50 55 60	
Ala Pro Gly Glu Arg Gly Pro Pro Gly Leu Ala Gly Ala Pro Gly Leu	

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Gly	Pro	Pro	Gly ₁₀₀	Pro	Pro	Gly	Ala	Arg ₁₀₅	Gly	Gly	Lys	Gly	Asp ₁₁₀	Ala	Gly	
Ala	Pro	Gly ₁₁₅	Glu	Arg	Gly	Pro	Pro ₁₂₀	Gly	Leu	Ala	Gly	Ala ₁₂₅	Pro	Gly	Leu	
Arg	Gly ₁₃₀	Gly	Ala	Gly	Pro	Pro ₁₃₅	Gly	Pro	Glu	Gly	Gly ₁₄₀	Lys	Gly	Ala	Ala	
Gly ₁₄₅	Pro	Pro	Gly	Pro	Pro ₁₅₀	Gly	Pro	Pro	Gly	Pro ₁₅₅	Pro	Gly	Cys	Cys	Gly ₁₆₀	
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Lys Asp Glu Leu
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Lys Glu Glu Leu
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Q67867 Sequence.ST25.txt

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<211> 144

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<213> Synthetic Construct

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<210> 46

<211> 48

<212> PRT

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<400> 46

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 Pro Gly Leu Ala Gly Ala Pro Gly Leu Arg Gly Gly Ala Gly Pro Pro
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 Gly Pro Glu Gly Gly Lys Gly Ala Ala Gly Pro Pro Gly Pro Pro Gly
 35 40 45

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<212> DNA

<213> Synthetic Construct

<400> 47
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<400> 50
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<211> 74

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<400> 51

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Q67867 Sequence.ST25.txt

Ser Gly Arg Ser Gly Gly Lys Gly Asp Ala Gly Ala Pro Gly Glu Arg
20 25 30

Gly Pro Pro Gly Leu Ala Gly Ala Pro Gly Leu Arg Gly Gly Ala Gly
35 40 45

Pro Pro Gly Pro Glu Gly Gly Lys Gly Ala Ala Gly Pro Pro Gly Pro
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Pro Gly Arg Ser Gly Pro Val Asp Pro Arg
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<212> PRT

<213> Synthetic Construct

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Pro Pro Gly Leu Ala Gly Ala Pro Gly Leu Arg Gly Gly Ala Gly Pro
35 40 45

Pro Gly Pro Glu Gly Gly Lys Gly Ala Ala Gly Pro Pro Gly Pro Pro
50 55 60

Gly Arg Ser Ile Asp Gly Ser Gly Pro Val Asp Pro Arg
65 70 75